



- 1 -

SEQUENCE LISTING

<110> Lin, Biaoyang

<120> Prostate-Specific Polypeptide PAMP and
Encoding Nucleic Acid Molecules

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<140> US 09/729,653

<141> 2000-12-04

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<221> misc_feature

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Ser Gly Asn Tyr Leu Ala Val Thr Gly Ala Asp Tyr Ile Val Lys Ile	
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Cys	Val	Ala	Met	Asp	Trp	Asp	Lys	Asp	Gly	Asp	Val	Leu	Ala	Val	Ile		
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Gln	Phe	Phe	Leu	Met	Lys	Met	Asp	Asp	Arg	Thr	Ser	Ala	Ala	Glu	Ser		
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att gca gta tca cag act ctt aac aaa gtt gct aca tgt gga gat aac			1008
Ile Ala Val Ser Gln Thr Leu Asn Lys Val Ala Thr Cys Gly Asp Asn			
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Cys Ile Lys Ile Gln Asp Leu Val Asp Leu Lys Asp Met Tyr Val Ile			
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ctc aac ctg gat gag gaa aat aaa gga ttg ggt acc ttg tcc tgg act			1104
Leu Asn Leu Asp Glu Glu Asn Lys Gly Leu Gly Thr Leu Ser Trp Thr			
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gat gat ggc cag ttg cta gca ctc tct acc caa agg ggc tca ctt cat			1152
Asp Asp Gly Gln Leu Leu Ala Leu Ser Thr Gln Arg Gly Ser Leu His			
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Val Phe Leu Thr Lys Leu Pro Ile Leu Gly Asp Ala Cys Ser Thr Arg			
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Ile Ala Tyr Leu Thr Ser Leu Leu Glu Val Thr Val Ala Asn Pro Val			
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Val Ala Val Gly Leu Tyr His Leu Ala Val Gly Met Asn Asn Arg Ala			
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Trp Phe Tyr Val Leu Gly Glu Asn Ala Val Lys Lys Leu Lys Asp Met			
	450	455	460
gag tat ctg gga aca gta gcc agt att tgc ctt cat tct gac tat gct			1440
Glu Tyr Leu Gly Thr Val Ala Ser Ile Cys Leu His Ser Asp Tyr Ala			
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Ala Ala Leu Phe Glu Gly Lys Val Gln Leu His Leu Ile Glu Ser Glu			
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Asp Phe Ser Pro Thr Ile Lys Gly Val Leu Trp Glu Asn Trp Pro Met	
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Val Phe His Lys Asp Thr Ile Gln Gly Ala Lys Val Ile Leu Ala Gly	
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Ser Thr Lys Val Pro Phe Ala His Lys Pro Leu Leu Leu Tyr Asn Gly	
645 650 655	
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Glu Leu Thr Cys Gln Thr Gln Ser Gly Lys Val Asn Asn Ile Tyr Leu	
660 665 670	
agc acc cat ggc ttt ctc agc aac tta aaa gat asg ggg cct gac gaa	2064
Ser Thr His Gly Phe Leu Ser Asn Leu Lys Asp Xaa Gly Pro Asp Glu	
675 680 685	
ctg aga cca atg ctg gca cac aat tta atg cta aag agg ttt tct gat	2112
Leu Arg Pro Met Leu Ala His Asn Leu Met Leu Lys Arg Phe Ser Asp	
690 695 700	
gct tgg gaa atg tgc agg att ctg aat gat gag gct gcc tgg aat gag	2160
Ala Trp Glu Met Cys Arg Ile Leu Asn Asp Glu Ala Ala Trp Asn Glu	
705 710 715 720	

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Val Tyr Arg Arg Ile Gly Asn Val Gly Ile Val Met Ser Leu Glu Gln	
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Ile Lys Gly Ile Glu Asp Tyr Asn Leu Leu Ala Gly His Leu Ala Met	
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Cys Pro Ile Ala Ala Leu Glu Met Arg Arg Asp Leu Gln His Trp Asp	
785 790 795 800	
agt gct cta caa ctg gca aag cat ttg gcc cca gac cag ata cct ttt	2448
Ser Ala Leu Gln Leu Ala Lys His Leu Ala Pro Asp Gln Ile Pro Phe	
805 810 815	
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Asn Ala Leu Ala His Tyr Glu Lys Gly Ile Thr Gly Asp Asn Lys Glu	
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His Asp Glu Ala Cys Leu Ala Gly Val Ala Gln Met Ser Ile Arg Met	
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Val Leu Lys Arg Asp Cys Gly Ala Ile Leu Glu Asn Met Lys Gln Phe	
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tca gaa gcg gcc caa ctg tat gaa aaa ggt ctc tac tac gat aaa gca	2736
Ser Glu Ala Ala Gln Leu Tyr Glu Lys Gly Leu Tyr Tyr Asp Lys Ala	
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gca tct gtt tac atc cgc tct aag aat tgg gca aaa gtt ggt gat ctt	2784
Ala Ser Val Tyr Ile Arg Ser Lys Asn Trp Ala Lys Val Gly Asp Leu	
915 920 925	
ctg ccc cac gtt tct tct cct aag atc cat ttg cag tat gcc aaa gcc	2832

Leu Pro His Val Ser Ser Pro Lys Ile His Leu Gln Tyr Ala Lys Ala	
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Ala Lys Gln Trp Gln Ser Val Ile Arg Ile Tyr Leu Asp His Leu Asn	
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aat cct gaa aaa gct gtc aat att gtt aga gag acc cag tct ctg gat	2976
Asn Pro Glu Lys Ala Val Asn Ile Val Arg Glu Thr Gln Ser Leu Asp	
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Ser Ala Ile Gln Phe Leu Val Met Ser Lys Cys Asn Asn Glu Ala Phe	
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aca ctg gct cag caa cac aac aaa atg gaa atc tat gca gat att att	3120
Thr Leu Ala Gln Gln His Asn Lys Met Glu Ile Tyr Ala Asp Ile Ile	
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Glu Asn Asp Gly Met Pro Lys Asp Ala Lys Tyr Leu Phe Arg Leu Tyr	
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ccc gat ata tct gag ata gaa gag gcc acg act cca tgt cca ttc tgc Pro Asp Ile Ser Glu Ile Glu Glu Ala Thr Thr Pro Cys Pro Phe Cys 1285	1290	1295	3888
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Arg Thr Glu Glu Glu Leu
1380

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35 40 45
Glu Lys Thr Trp Leu Gly Ala Pro Ile Gln Phe Ala Trp Gln Lys Thr
50 55 60
Ser Gly Asn Tyr Leu Ala Val Thr Gly Ala Asp Tyr Ile Val Lys Ile
65 70 75 80
Phe Asp Arg His Gly Gln Lys Arg Ser Glu Ile Asn Leu Pro Gly Asn
85 90 95
Cys Val Ala Met Asp Trp Asp Lys Asp Gly Asp Val Leu Ala Val Ile
100 105 110
Ala Glu Lys Ser Ser Cys Ile Tyr Leu Trp Asp Ala Asn Thr Asn Lys
115 120 125
Thr Ser Gln Leu Asp Asn Gly Met Arg Asp Gln Met Ser Phe Leu Leu
130 135 140
Trp Ser Lys Val Gly Ser Phe Leu Ala Val Gly Thr Val Lys Gly Asn
145 150 155 160
Leu Xaa Ile Tyr Asn His Gln Thr Ser Arg Lys Ile Pro Val Leu Gly
165 170 175
Lys His Thr Lys Arg Ile Thr Cys Gly Cys Trp Asn Ala Glu Asn Leu
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Xaa Ala Leu Gly Gly Glu Asp Lys Met Ile Thr Val Ser Asn Gln Glu
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Asn	Ile	Val	Cys	Tyr	Asn	Trp	Tyr	Gly	Asp	Gly	Arg	Ile	Met	Ile	Gly
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Val	Phe	Leu	Thr	Lys	Leu	Pro	Ile	Leu	Gly	Asp	Ala	Cys	Ser	Thr	Arg
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Ala	Ala	Leu	Phe	Glu	Gly	Lys	Val	Gln	Leu	His	Leu	Ile	Glu	Ser	Glu
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Trp	Gln	Phe	Val	Asn	Asp	Tyr	Arg	His	Pro	Val	Ser	Val	Lys	Lys	Ile
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Phe	Pro	Asp	Pro	Asn	Gly	Thr	Arg	Leu	Val	Phe	Ile	Asp	Glu	Lys	Ser
				565				570						575	
Asp	Gly	Phe	Val	Tyr	Cys	Pro	Val	Asn	Asp	Ala	Thr	Tyr	Glu	Ile	Pro
			580					585					590		
Asp	Phe	Ser	Pro	Thr	Ile	Lys	Gly	Val	Leu	Trp	Glu	Asn	Trp	Pro	Met
		595					600					605			
Asp	Lys	Gly	Val	Phe	Ile	Ala	Tyr	Asp	Asp	Asp	Lys	Val	Tyr	Thr	Tyr
610					615						620				
Val	Phe	His	Lys	Asp	Thr	Ile	Gln	Gly	Ala	Lys	Val	Ile	Leu	Ala	Gly

625		630		635		640
Ser Thr Lys Val	Pro Phe Ala His Lys	Pro Leu Leu Leu Tyr	Asn Gly			
	645	650	655			
Glu Leu Thr Cys	Gln Thr Gln Ser Gly Lys Val	Asn Asn Ile Tyr	Leu			
	660	665	670			
Ser Thr His Gly	Phe Leu Ser Asn Leu Lys Asp Xaa Gly	Pro Asp Glu				
	675	680	685			
Leu Arg Pro Met	Leu Ala His Asn Leu Met Leu Lys Arg	Phe Ser Asp				
	690	695	700			
Ala Trp Glu Met	Cys Arg Ile Leu Asn Asp Glu Ala Ala Trp	Asn Glu				
705	710	715	720			
Leu Ala Arg Ala	Cys Leu His His Met Glu Val Glu Phe Ala	Ile Arg				
	725	730	735			
Val Tyr Arg Arg	Ile Gly Asn Val Gly Ile Val Met Ser	Leu Glu Gln				
	740	745	750			
Ile Lys Gly Ile	Glu Asp Tyr Asn Leu Leu Ala Gly His	Leu Ala Met				
	755	760	765			
Phe Thr Asn Asp	Tyr Asn Leu Ala Gln Asp Leu Tyr Leu Ala	Ser Ser				
	770	775	780			
Cys Pro Ile Ala	Ala Leu Glu Met Arg Arg Asp Leu Gln His	Trp Asp				
785	790	795	800			
Ser Ala Leu Gln	Leu Ala Lys His Leu Ala Pro Asp Gln	Ile Pro Phe				
	805	810	815			
Ile Ser Lys Glu	Tyr Ala Ile Gln Leu Glu Phe Ala Gly	Asp Tyr Val				
	820	825	830			
Asn Ala Leu Ala	His Tyr Glu Lys Gly Ile Thr Gly Asp	Asn Lys Glu				
	835	840	845			
His Asp Glu Ala	Cys Leu Ala Gly Val Ala Gln Met Ser	Ile Arg Met				
	850	855	860			
Gly Asp Ile Arg	Arg Gly Val Asn Gln Ala Leu Lys His	Pro Ser Arg				
865	870	875	880			
Val Leu Lys Arg	Asp Cys Gly Ala Ile Leu Glu Asn Met	Lys Gln Phe				
	885	890	895			
Ser Glu Ala Ala	Gln Leu Tyr Glu Lys Gly Leu Tyr Tyr	Asp Lys Ala				
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Ala Ser Val Tyr	Ile Arg Ser Lys Asn Trp Ala Lys Val	Gly Asp Leu				
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Leu Pro His Val	Ser Ser Pro Lys Ile His Leu Gln Tyr	Ala Lys Ala				
	930	935	940			
Lys Glu Ala Asp	Gly Arg Tyr Lys Glu Ala Val Val Ala Tyr	Glu Asn				
945	950	955	960			
Ala Lys Gln Trp	Gln Ser Val Ile Arg Ile Tyr Leu Asp	His Leu Asn				
	965	970	975			
Asn Pro Glu Lys	Ala Val Asn Ile Val Arg Glu Thr Gln	Ser Leu Asp				
	980	985	990			
Gly Ala Lys Met	Val Ala Arg Phe Phe Leu Gln Leu Gly	Asp Tyr Gly				
	995	1000	1005			
Ser Ala Ile Gln	Phe Leu Val Met Ser Lys Cys Asn Asn	Glu Ala Phe				
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Thr Leu Ala Gln	Gln His Asn Lys Met Glu Ile Tyr Ala	Asp Ile Ile				
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Gly Ser Glu Asp	Thr Thr Asn Glu Asp Tyr Gln Ser	Ile Ala Leu Tyr				
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 Cys Gly Gln Tyr Ser Arg Ala Leu Lys His Phe Leu Lys Cys Pro Ser
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 Ser Glu Asp Asn Val Ala Ile Glu Met Ala Ile Glu Thr Val Gly Gln
 1090 1095 1100
 Ala Lys Asp Glu Leu Leu Thr Asn Gln Leu Ile Asp His Leu Leu Gly
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 Glu Asn Asp Gly Met Pro Lys Asp Ala Lys Tyr Leu Phe Arg Leu Tyr
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 Lys Ile Asp Ala Lys Tyr Lys Lys Lys Ile Glu Gly Met Val Arg Arg
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 Pro Asp Ile Ser Glu Ile Glu Glu Ala Thr Thr Pro Cys Pro Phe Cys
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 Lys Phe Leu Leu Pro Glu Cys Glu Leu Leu Cys Pro Gly Cys Lys Asn
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21